Important

READ and understand this manual BEFORE
using this firearm

Instruction Manual

for

Viper

.50 cal. BMG Single Shot Rifle

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This manual must remain with firearm at all times.
If this manual is lost or destroyed a new one can be obtained from
Bluegrass Armory or downloaded from our website. www.bluegrassarmory.com

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Everyone at Bluegrass Armory would like to take a moment of your time to say thanks for purchasing a Viper.

We realize there are several rifles to choose from on the market and appreciate your choice

Warranty

The Viper has a one-year warranty against manufacturing defects. Normal wear and or abuse are not covered by warranty.

Bluegrass Armory is not responsible for accidents, injuries or death due to misuse, abuse or improper handling of this firearm. The purchaser of this firearm is the responsible party and should take any and all precautions to see it is used properly.

Caution: Read this manual carefully before handling or loading your Viper.

WARNING: Always ensure that the safety is fully engaged until ready to fire.

Never point any gun, loaded or unloaded, at anything you do not intend to shoot.

BASIC SAFETY

- *Anyone using or handling this firearm must have read and thoroughly understood this Instruction Manual.*
- Always handle your Viper as if it is loaded and ready to fire.
- Be sure muzzle brake is properly attached before loading or firing. Failure to do so could result in serious bodily harm or death, due to extreme recoil.
- Be sure the barrel is free of all obstructions.
- Always keep the safety ON SAFE until you are ready to shoot.
- BE SURE OF YOUR TARGET BEFORE LOADING RIFLE.
- Before target shooting, be sure you have an adequate backstop. Remember rifles are capable of shooting extremely long distances and can penetrate most surfaces.
- ALWAYS wear hearing protection.
- ALWAYS wear protective eyeglasses when shooting.
- Always be sure bystanders are behind the gun and never to the side.
- Never attempt to modify this firearm…all modifications should be done by Bluegrass Armory, or a competent gunsmith.
- DO NOT USE modified, damaged or dirty ammunition.
- ALWAYS avoid ricochets by never shooting at water, or any hard flat surfaces.
- DO NOT USE alcoholic beverages before and during shooting or handling firearms.
- DO NOT USE drugs, legal or illegal, that may cause drowsiness or alter the ability to concentrate or make safe judgments while shooting.
- Cartridges that have been improperly hand loaded can damage the gun and cause personal injury.
- Never use a gun that fails to function properly. Do not try to force a jammed action. If in doubt, contact Bluegrass Armory or a competent gunsmith.
- Always unload a gun before leaving it unattended, and before leaving a shooting area or target range.
- Before cleaning, be sure the chamber is EMPTY.
- Never enter a dwelling or motor vehicle with a loaded gun.

- Never transport loaded firearms in a vehicle or on an ATV.
- Must have 3 1/2” minimum eye relief scope**.**
- Store guns and ammunition separately, under lock and key, and beyond the reach of children.
- Never pull a gun toward you by the muzzle.
- Use only ammunition of the correct caliber, properly sized casings, bullet style and diameter.
- Never carry a loaded firearm. Be sure your firearm is unloaded when you climb a tree, cross a fence, jump a ditch, while walking or going through areas where you are apt to slip or trip.
- Anyone using or handling this firearm must have read and thoroughly understood this Instruction manual.
- Most accidents are the result of basic safety rules being neglected.
- Accident prevention is entirely the users responsibility.
- Avoid hard hitting or dropping of your firearm, loaded or unloaded.
- To avoid corrosion during storage, thoroughly clean the firearm and protect all metal surfaces with a film of good grade gun oil.
- Do not, under any circumstances, alter the trigger, safety or parts of the firing mechanism of this or any other firearm. Failure to obey this warning may result in injury or death to yourself or others.
- Your Viper will provide years of enjoyment if used in the above manner. Always use common sense, be careful and have fun!!!!

Description

Specs:

Caliber:	.50 BMG
Weight:	24 lbs. Unloaded-no scope
Overall Length:	57 in. (145cm)
Barrel Length:	26 in. to 32 in. 29” Standard
Length of Pull:	15in. to 17 in. 16 ½” Standard
Stock:	Aluminum with integral scope rail
Safety:	Automatic, rotating drum blocks sear & trigger
Scope:	Should have 3 1/2” minimum eye relief

Cleaning & Maintenance

Keep barrel and chamber clear.

1. Open bolt and check chamber.
2. With bolt open, remove bolt handle by turning counter clockwise.
3. Remove the 2 rear pushpins.
4. Slide Recoil Assembly off rear of rifle.
5. Bolt will slide out rear of rifle.
6. Remove the 2 front pushpins.
7. Trigger assembly will lower straight down out of stock.

Clean all steel pieces with soft rag and good quality gun oil.

Aluminum parts are to be cleaned with mild soap solution. DO NOT use harsh chemical solutions.

Reassemble in reverse order.

Parts List

*Available only through a licensed gunsmith.

Description	Part Number Left Hand	Right Hand
Trigger Group		
Housing	1200	1000
Trigger		1001
Sear		1002
Safe drum	1203	1003
Link		1004
Lever		1005
Link pin		1006
Link detent		1007
Link detent spring		1008
Trigger spring		1009
Safe detent		1010
Safe spring		1011
Safe spring screw		1012
Sear spring	1213	1013
Housing lock		1014
Housing lock spring		1015
Housing pin detent-2		1016
Sear pin-2		1017
Trigger pin		1018
Retainer 1/16”-4		1019
Link lever pin		1020
Trigger adjustment screw		1021
Grip		1022
Grip screw		1023

Main Frame

Stock	2200-xx*	2000-xx*
Barrel		2001-xx*
Barrel screw-3		2002
Barrel nut		2003
Receiver	2204*	2004*
Muzzle Brake-Aluminum		2005
Muzzle Brake shim-set		2006
Primary Extractor pins-3		2007*
Assembly pin		2009

Bolt Assembly

Bolt	3200*	3000*
Firing pin		3001
Firing pin spring		3002
Bearing retainer		3003
Extractor		3004
Extractor pin		3005
Extractor pin spring		3006
Ejector		3007
Ejector spring		3008
Ejector retainer		3009
Bearing		3010
Bolt handle		3011

Recoil Pad Assembly

Recoil pad	4001
Recoil plate	4002
Recoil pad screws-2	4003
Lower stock	4004
Rear plug	4005
Lower stock screw-2	4006
Rear plug screw-4	4007
Detent retainer pin-2	4010
Detent-2	4011

Bi-pod

Extension lock cover screw-8	5000
Leg pivot screw-2	5001
Pivot spring-2	5002
Pivot lock pin-short-2	5003
Pivot lock pin-long-2	5004
Extension lock spring-2	5005
Extension lock-2	5006
Yoke	5007
Leg-upper-2	5008
Leg-lower-2	5009
Foot screw-2	5010
Extension foot-2	5011

Accessories

Bi-Pod-complete	5022
Bi-Pod Mounting Pin	2010
Instruction Manual	6001
Muzzle Brake Wrench	6002
Barrel Nut Wrench	6003
Weight Kit	6004
Cleaning Rod	6005
Small Wrench Set	6006
Scope Rings	6007
Assembly pins-handle	6008
Muzzle Brake-Steel	6010